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Budget

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SMITHSONIAN INSTITUTION

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1965
To Congress

GENERAL STATEMENT

The Smithsonian Institution was created by Act of Congress, approved August 10, 1846, "for the increase and diffusion of knowledge among men." Under the terms of its broad charter, the Institution conducts well-defined scholarly research activities in various areas. For example, through its Astrophysical Observatory, the Smithsonian conducts very special research in many phases of astrophysics. Because of the expertness of our staff and the current importance of this area of study, the scientific world looks to the Institution for basic research in this field. The extensive collections of the United States National Museum are used by our scientists and historians as well as by visitors to further research in the fields of biology, geology, anthropology, American history, aeronautics, and technology. Each year the Smithsonian publishes the results of scientific investigations here and elsewhere and also answers thousands of questions in the fields of science, technology, history, and art by letter, telephone, and consultation, or by personal examination of the collections. In fiscal year 1963 approximately 485,000 such requests for information were answered, an increase of 90,000 over the previous year.

In addition to its research functions, the Smithsonian administers what is probably the world's largest museum complex, comprising three museums of science, technology, and history; three art galleries; and the National Zoological Park. It preserves and protects for our citizens many of the irreplaceable treasures of the American people. Public interest in our museums continues to grow as evidenced by the large increase in the number of visitors. During fiscal year 1963 more than

10,309,000 persons visited the Smithsonian buildings on the Mall (exclusive of the National Gallery of Art). This was over 1,386,000 more than the previous year.

The appropriation request for 1965 for "Salaries and Expenses" represents an increase of \$1,670,000 over the amount appropriated for 1964. The principal increases are for the operation, maintenance, and protection of the new Museum of History and Technology Building; advancing certain scientific research programs for which enlarged and improved quarters in the additions to the Natural History Building have recently been completed and more are now under construction; contributing to scientific research in the national space program and oceanography; providing a limited additional staff for the recently authorized National Portrait Gallery and the National Collection of Fine Arts to prepare their collections for exhibition in the old Civil Service Commission Building now in process of renovation; and for mandatory salary and wage increases.

During fiscal year 1963 the East Wing of the Natural History Building was occupied, and construction of the West Wing is in progress. These much needed additions will give the staff of the Museum of Natural History additional improved quarters for the conduct of scientific research. The Museum of History and Technology is being dedicated this month. Ten of a total of fifty halls will be opened immediately. The remaining halls will be ready for the public as installation of exhibits is completed.

The 1965 request reflects an increase of \$1,364,000 to complete the planning for the construction of a National Air and Space building. Planning was started with funds amounting to \$511,000 appropriated in fiscal year 1964. This building will provide suitable areas to display the

national collection of historic air and space craft as well as parking facilities for 1,400 cars and fall-out shelter.

The justifications which follow also include \$1,000,000 to complete the remodeling of the old Civil Service Commission Building for art gallery purposes.

The Smithsonian Institution is requesting \$1,776,000 to continue the 10-year program of constructing, remodeling and equipping the buildings and other exhibit facilities at the National Zoological Park.

Salaries and Expenses

SMITHSONIAN INSTITUTION

SALARIES AND EXPENSES

LEAD-OFF TABULAR STATEMENT

	<u>Amount</u>
Appropriation Act, 1964	\$13,124,000
Budget Estimate, 1965	<u>14,794,000</u>
Increase, 1965	1,670,000

SMITHSONIAN INSTITUTION
SALARIES AND EXPENSES

Summary of Increases, 1965

	<u>Amount</u>	<u>Amount</u>
1. To provide for step increases and other personnel costs:		
Employees compensation fund payments	\$10, 000	
Step increases	279, 000	
Pay increases effective January 5, 1964	155, 000	
Wage board increases effective December 9, 1962, for which funds are not now provided	73, 000	
Less reduction of one day's pay above 52-week base .	<u>-25, 000</u>	✓ \$492, 000 <i>p. 9</i>
2. To provide for the protection, operation, and maintenance of the Museum of History and Technology Building.....	753, 000	
Less nonrecurring cost for transportation, other services, and equipment	<u>-207, 000</u>	✓ 546, 000 <i>p. 15</i>
3. To provide more adequately for documentation and preservation of museum collections and related activities	35, 000	
Less nonrecurring cost of other services and equipment	<u>-514, 000</u>	✓ -479, 000
4. 1965 Rehabilitation of Buildings and Modernization of Exhibits programs .	530, 000	
Less 1964 programs	<u>-655, 000</u>	✓ -125, 000 <i>-604</i>

Summary of Increases, 1965 - continued

	<u>Amount</u>
5. Planning and preparation of art objects prior to move into the F Street Galleries	✓ \$70,600 p. 11
6. To provide more adequately for the Smithsonian's Astrophysical Observatory's research program	200,900 p. 12
7. For increased responsibilities of scientific research activities in Canal Zone Biological Area, and International Exchange Service	11,000 p. 12
8. Strengthening efforts in oceanography	247,700 p. 13
9. Expansion into new areas of research in natural history	81,700 p. 14
10. Protection, operation, and maintenance of Additions to the Natural History Building	✓ 214,500 p. 15
11. Protection, operation, and maintenance of all other Smithsonian buildings	✓ 220,000 p. 15
12. Air conditioning the National Air and Space Building	✓ 80,000 p. 15
13. Increased administrative services costs	✓ <u>109,600</u> p. 16
Net increase, 1965	\$1,670,000

SMITHSONIAN INSTITUTION

SALARIES AND EXPENSES

Comparative Summary of the 1964 Appropriation with the 1965 Estimates

	1964 Estimate	1965 Estimate	Increase or decrease	
			Step increases and Other	1/ Program
1. Museum Exhibitions (including Art)				
~ Museum of History and Technology	\$2, 196, 000	\$1, 769, 000	\$52, 000	2/ -\$479, 000
~ Museum of Natural History	1, 366, 000	1, 276, 000	35, 000	3/ -125, 000
~ National Air Museum	301, 000	314, 000	13, 000	---
~ National Armed Forces Museum Adv. Bd. . .	33, 000	33, 000	---	---
~ National Collection of Fine Arts	143, 000	187, 100	7, 000	4/ 37, 100
~ National Portrait Gallery	44, 000	80, 500	3, 000	5/ 33, 500
Total, Museum Exhibitions (including Art) ..	4, 083, 000	3, 659, 600	110, 000	-533, 400
2. Scientific Research and Exchange of Scientific Information				
Astrophysical Observatory	979, 000	1, 205, 900	26, 000	6/ 200, 900
Bureau of American Ethnology	127, 000	132, 000	5, 000	---
Canal Zone Biological Area	138, 000	148, 000	4, 000	7/ 6, 000
International Exchange Service	108, 000	113, 000	---	8/ 5, 000
Museum of Natural History	1, 415, 000	1, 799, 400	55, 000	9/ 329, 400
~ Museum of History and Technology	809, 000	839, 000	30, 000	---
Total, Scientific Research and Exchange of Scientific Information	3, 576, 000	4, 237, 300	120, 000	541, 300

Comparative Summary of the 1964 Appropriation with the 1965 Estimates - continued

	1964 Estimate	1965 Estimate	Increase or decrease	
			Step increases and Other Personnel Costs	Program
3. Buildings Management Department				
Museum of History and Technology Building	\$1,015,000	\$1,622,000	\$61,000	\$546,000
Natural History Building	1,480,000	1,780,500	86,000	214,500
Smithsonian Building	176,000	237,000	11,000	50,000
Arts and Industries Building	391,000	508,000	23,000	94,000
All other buildings	495,000	600,000	29,000	76,000
Rehabilitation of buildings	200,000	280,000*	--	80,000
Total, Buildings Management Department .	3,757,000	5,027,500	210,000	1,060,500
4. General Administration				
Management	276,000	324,000	11,000	37,000
Administrative Services	1,432,000	1,545,600	41,000	72,600
Total, General Administration	1,708,000	1,869,600	52,000	109,600
Grand Total	\$13,124,000	\$14,794,000	\$492,000	\$1,178,000

*Includes \$80,000 for air conditioning the National Air and Space Building.

JUSTIFICATIONS

1/ A net increase of \$492,000 is requested for Step Increases and Other Personnel Costs. Consideration was given to a nonrecurring amount of \$25,000 for the cost of one day's regular pay above the 52-week base.

Need for Increase: This increase would be used (1) to pay the fiscal year 1965 costs of salary increases granted the general schedule employees on January 5, 1964, Compensation Schedule II of the Federal Salary Reform Act of 1962, Public Law 87-793, approved October 11, 1962 (\$155,000); (2) to pay the full-year cost of the salary increases granted to wage board employees on December 9, 1962, as determined through analysis of all wage board positions with consideration being given to representative lapse factors (\$73,000); (3) for reimbursement for total benefits and other payments made from the Employees Compensation Fund during fiscal year 1963 (\$10,000); and (4) to pay for step increases in accordance with the Classification Act Amendments of 1962 (76 Stat. 844) (\$279,000). The latter sum includes the portion of the fiscal year 1965 step increases to be paid in that year, the carryover cost from fiscal year 1964, and the total amount of step increases which the Institution will absorb in fiscal year 1964, but does not have in the fiscal year 1965 base. The absorption of these costs in fiscal year 1964 is possible because of savings which will occur as a result of the delayed opening of the Museum of History and Technology Building. The apparent cost was determined through a position-by-position study, and has been reduced to real cost by offsets due to 15 percent of the employees being separated before they receive their step increase, and the salaries of those employees averaging \$270 above the base of the grade.

All operations of the Smithsonian Institution have been carefully reviewed to determine whether any absorption of the above amount is possible in fiscal year 1965. No savings can be effected without seriously curtailing the daily operations of the Institution and impairing such authorized programs as staffing and servicing the new East Wing of the Natural History Building and the new Museum of History and Technology.

2/ The net decrease of \$479,000 for the Museum of History and Technology reflects a decrease of nonrecurring initial services, furnishings, and equipment provided in fiscal year 1964 in the amount of \$514,000, offset by an increase of \$35,000 for the curatorial departments.

Need for Increase: The increase would be used to employ additional staff to meet the heavy demands in the new building by the public for service in subjects presented in the building such as manufactures, heavy industries, and electricity; and to facilitate the use of the collections through restoration, documentation, and preservation of specimens.

Plan of Work: To employ 1 curator, 1 associate curator, 2 museum technicians, and 2 clerical employees and to provide for personnel benefits.

3/ The decrease of \$125,000 for the Museum of Natural History is the result of rescheduling the number of exhibit halls to be under construction in the modernization of exhibits program so that fewer exhibit areas will be closed to the public.

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4/ An increase of \$37, 100 for the National Collection of Fine Arts is requested to continue the expanded program of planning and preparing its valuable works of art for exhibition in the remodeled building.

Need for Increase: This increase would be used for additional specialists in art to inventory the permanent collections, prepare working catalogs, undertake restoration programs, plan continuing exhibits, and set up schedules of temporary shows.

Plan of Work: To employ 1 head curator (sculptures), 1 associate curator, and 2 clerical assistants; and to provide funds for personnel benefits; travel; contractual services; supplies and materials; and equipment.

5/ An increase of \$33, 500 is requested for the National Portrait Gallery for planning and preparing for the exhibition of portraits and other objects in the new F Street Building.

Need for Increase: This increase would be used for additional staffing and related expenses for extensive research, location and acquisition of portraits and sculptures; restoration and care of portraits and other art objects which are acquired; the establishment of records of materials available immediately for transfer to the Gallery or which may be available for loan or later acquisition; the preparation of a detailed script for each exhibit hall of the Gallery, and the acquisition of related reference works.

Plan of Work: To provide for 1 curator, 1 research assistant, and 2 clerical employees, personnel benefits, travel, transportation of things, supplies and materials, and equipment.

6/ The Astrophysical Observatory requires \$200,900 to further its unique scientific program involving specialized functions of widely acclaimed importance in this space age. This increase includes \$94,000 for equipment which is a nonrecurring expense in the next fiscal year.

Need for Increase: Additional staff and related costs would be used to improve the Astrophysical Observatory's research in meteoritic science, cometary, X and gamma radiation, upper atmospheric phenomena, geodesy and celestial mechanics, properties of extra-terrestrial material collected by the earth, solar and stellar astrophysics, the role of radiant energy in the maintenance of life processes, and in the spectral quality of solar radiation pertaining to specific biological processes.)

Plan of Work: To provide for 1 astronomer, 1 electrical engineer, 1 mathematician, and 1 technician; full-year cost of scientific positions (2 man-years) financed on a part-year basis in fiscal year 1964; personnel benefits; travel; rent, communications, and utilities; other services; supplies and materials; and equipment.

7/ An increase of \$6,000 is requested for the Canal Zone Biological Area for expenses related to the maintenance and operation of this research facility uniquely suited for biological research on the tropics.

Need for Increase: The increase would be used for rental of more space for the enlarged staff and for the storage, packing, and unpacking of scientific equipment handled for visiting scientists; and supplies and materials to conduct research activities.

Plan of Work: To provide for travel; transportation of things; rent; supplies and materials; and equipment.

8/ An increase of \$5, 000 is requested for the accelerated program of the International Exchange Service which is the official United States agency for the exchange of governmental, scientific, and literary publications.

Need for Increase: This increase would be used to employ an additional clerk to perform the extra duties which will be required because of the increase in specialized scientific documents received at the Smithsonian for transmission throughout the world.

Plan of Work: To provide for 1 clerical assistant.

9/ The United States National Museum will require a total of \$329, 400 for its Museum of Natural History, including \$247, 700 for the oceanography program as part of the plan of the Federal Council on Oceanography, and \$81, 700 to further research in those fields of science explained below in which the Museum conspicuously lacks an adequate number of specialists to cover all critical areas. This increase includes \$120, 000 which is nonrecurring in the next fiscal year.

Need for Increase: (a) Additional professional, subprofessional, and clerical staff are needed to help the Smithsonian Institution keep pace with its ever-increasing responsibilities to supply information on the nature and identity of the organisms received from Federally-financed marine expeditions.

Scientists working in this program provide identifications of marine organisms and prepare monographs to keep colleagues in Federal agencies and universities advised of findings. A part of the increase for the oceanography program is for equipment to be used aboard ship during oceanographic research expeditions.

(b) The Museum of Natural History has excellent facilities at long last to house in a more adequate manner its great collections and to conduct its research. This re-emphasizes the importance of being able to use these scientific tools in a way that will be suitable to the needs of the scientific community. Specialists and supporting staff are needed to further research in botany, paleontology, paleobotany, and entomology. This natural history research includes inventorying, identifying, and classifying specimens and answering a large volume of information requests. A modest increase in travel funds is needed to permit the regular Museum of Natural History staff to undertake field investigations, study comparative materials at other museums and universities, consult with colleagues on special problems, and inspect and evaluate proposed donations to the collections. Additional funds for contractual services, supplies, and equipment are also required for the regular research programs of the Museum of Natural History.

Plan of Work: (a) To provide for 5 zoologists, 3 geologists, 1 botanist, and 3 museum specialists for the oceanography program; full-year cost of scientific positions (4 man-years) financed on a part-year basis in fiscal year 1964; personnel benefits; travel; other services; and equipment.

(b) To provide for 1 chemist, 1 botanist, 1 technician, and 5 clerks; personnel benefits; travel; other services; supplies and materials; and equipment.

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a.
10/ A net increase of \$1,060,500 is requested for the Buildings Management Department to continue to provide protection, operation and maintenance services for the several Smithsonian buildings, and to air-condition the National Air and Space Building.

Need for Increase: The major portion of this increase would be used for additional staff and related expenses to provide adequate buildings services for the Museum of History and Technology and the Natural History Buildings; for enlarging the research facilities of the Division of Radiation and Organisms; and making necessary repairs and alterations in the Arts and Industries Building to provide office space for staff now housed in temporary Government quarters and to alleviate crowded conditions in other Smithsonian buildings.

Funds will also be used to air-condition the National Air and Space Building. Installation of air conditioning in this building will contribute in a very substantial way to the comfort of the great crowds of visitors who tour it each year. It will also assist in the preservation of valuable specimens and objects which are placed on exhibition.

Plan of Work: To provide for the full-year cost of 17 guards, laborers, and mechanics (9 man-years) financed on a part-year basis in fiscal year 1964 and 182 positions (164 man-years in fiscal year 1965) to employ guards, laborers, and mechanics; provide benefits; electricity (including air conditioning), gas and steam, and communications; contractual services for maintenance, repair, and inspection of elevators and escalators; and for fire, smoke, and intrusion systems; and cleaning supplies, uniforms, lamps, hardware, plumbing materials, paints, lumber; and equipment such as

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new stuff MHT
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add
desks, chairs, tables, file cases, steel storage shelving, lockers, projection equipment, pistols and holsters, wheelchairs, fire extinguishers, electrical fixtures, and new flooring.

11/ An increase of \$109,600 is requested for General Administration to handle the increased workload in the administrative and service units of the Institution because of the step-up in museum activities and the accelerated art gallery and scientific research programs.

Need for Increase: The major portion of the increase would be used for additional staff to meet the increased demands for library, photographic, editorial, and fiscal services. Additional funds are also required for office supplies, and equipment.

Plan of Work: To provide for 1 special assistant, 1 editor, 2 library assistants, 5 clerical assistants, 1 management analyst, and 3 photographers; personnel benefits; other services; supplies and materials; and equipment.

Construction

REMODELING OF CIVIL SERVICE COMMISSION BUILDING

Appropriated, fiscal year 1962 (Planning)	\$400, 000
Appropriated, fiscal year 1964	5, 465, 000
Estimate, 1965	1, 000, 000

An appropriation of \$1, 000, 000 for completion of the remodeling of the old Civil Service Commission Building (hereinafter referred to as the F Street Building) is urgently sought by the Board of Regents of the Smithsonian Institution. The appropriation is needed now to complete the contract work of remodeling the building for art gallery purposes for which \$5, 465, 000 was appropriated for fiscal year 1964. Work on this project will begin within four months and is expected to be completed in the Spring of 1966.

The National Collection of Fine Arts and the National Portrait Gallery will share the building. The National Collection of Fine Arts is now crowded into the Natural History Museum. Space is so limited that many works of art cannot be displayed to the interested public but must be placed in storage. The National Collection of Fine Arts collections are principally the works of American art. The National Gallery of Art is distinctly different in that its collections are principally European masterpieces of art. The Freer Gallery of Art is markedly different in that its collections are principally works of Oriental art.

Included in the National Collection of Fine Arts is the John Gellatly collection, reputed to be worth over \$10 million. Other notable collections are the Evans collection and the Ranger bequest which contain over 200 works of art. The National Collection of Fine Arts possesses a sufficient number of important works of art which are now on exhibition, in storage, or on temporary loan, to provide immediately a magnificent offering of American paintings, works of sculpture, and decorative art objects in the F Street Building.

The National Collection of Fine Arts serves not only Washington but also art galleries throughout the country by circulating fine exhibitions for special shows. Proper facilities are not now available to compose and prepare such exhibitions for this nationwide cultural program. The F Street Building will provide the necessary space.

The other Gallery authorized to use this building is the National Portrait Gallery, created by the Act of April 27, 1962. This Gallery is authorized to exhibit portraits of men and women who have made significant contributions to the history, development and culture of the United States. Thus, the Portrait Gallery will become a unique National hall of history and culture. There is no similar National gallery in this country.

Collections of portraits are being held by the National Gallery of Art and the National Collection of Fine Arts for the National Portrait Gallery. As soon as the Gallery becomes a reality through the remodeling of this building, other collections and individual portraits will be offered as gifts to the National Portrait Gallery by both private and public agencies and individuals

in order that the persons portrayed may be considered for a place of honor in the National Portrait Gallery.

The total amount of \$6,465,000 needed for remodeling was requested of the Congress in the 1964 budget estimate. Since a portion of the work could be deferred until fiscal year 1965 without slowing down the project, the Congress reduced the 1964 estimate by \$1,000,000 with the understanding that it would be requested for fiscal year 1965.

The funds for remodeling are to be used for such items as replacement of the roof, repairs and additions to the plumbing, mechanical and electrical equipment, replacement of plaster and woodwork where necessary, and other building repairs and additions required for remodeling the building, originally constructed in the mid-1800's, for art gallery purposes. No substantial change in the exterior appearance is planned. The estimated cost of constructing a comparable new building is in the range of \$25 million.

CONSTRUCTION AND IMPROVEMENTS, NATIONAL ZOOLOGICAL PARK

Appropriated, fiscal year 1963	\$1, 275, 000
Appropriated, fiscal year 1964	1, 275, 000
Estimate, 1965	1, 776, 000

An appropriation of \$1, 776, 000 is requested for the third year's capital improvement projects at the National Zoological Park and for advance planning for future projects.

Funds totaling \$1, 275, 000 in fiscal year 1963 and \$1, 275, 000 in fiscal year 1964 have been appropriated for the first two years of a 10-year program of capital improvements at the National Zoological Park.

In fiscal year 1963, provision was made for relocation of the east-west road from Connecticut Avenue to Harvard Street, construction of the bird flight cage, and remodeling the bird exhibition building.

The fiscal year 1964 projects include improvement of the principal pedestrian entrance to the Park off Connecticut Avenue; exhibits in a 10-acre area of hardy hoofed stock and deer; a property yard for open and dry storage; 2 paved parking areas; an incinerator; regrading and surfacing of Zoo service roadways; and planning and installation of utilities.

There follows a summary of the projects to be undertaken with fiscal year 1965 funds.

Planning

Detailed plans and designs for fiscal year 1966 projects	\$145,000
Advance planning and consultation for fiscal year 1967 projects...	<u>30,000</u>
	\$175,000

Construction

Exhibits--Winter house for delicate hoofed stock	825,000
Parking Area (Lot "C")	153,500
Utilities	<u>91,500</u>
	1,070,000
Sewerage System	<u>531,000</u>
Total	<u><u>1,776,000</u></u>

<u>Planning</u>	\$175,000
<u>Detailed plans and designs for fiscal year 1966</u>	\$135,000

Detailed plans will be made for the development of an aquatic mammal area for the exhibition of seals, sea lions, walruses, otters, tapirs, and other aquatic mammals. Through cooperation with the Department of the Interior, duplication will be avoided in this exhibit and the National Aquarium. These exhibits will be outside with minimum shelter for the animals. All viewing by the public will be from the outside.

Detailed plans will also be made for the animal hospital and other items in the service area based upon advance planning which was accomplished last year; and other items such as parking lots, the vehicular roadway, and picnic areas.

Smithsonian Institution expenses

\$10,000

It is estimated that the Smithsonian Institution will require \$10,000 in fiscal year 1965 for travel expenses and the services of consultants in connection with this program.

Advance planning and consultation for fiscal year 1967.....

\$30,000

Advance plans will be made for constructing new bear and goat exhibits, remodeling the elephant house and yards, and continuing work in the service area (animal hospital and research area, gardener's area and greenhouse). Advance planning of the service roadway and utilities assigned to this phase will continue.

Construction \$1,070,000

Exhibits

\$825,000

Exhibit facilities for one group of hoofed stock will be constructed in an area of approximately 4 acres between the hardy hoofed stock area for which funds were provided in fiscal year 1964 and the bird house area constructed in fiscal year 1963. This area consists of three buildings and paddock complex. One of the buildings will be temperature-controlled for the reversal of the tropical and arctic animals. The hoofed stock from tropical areas will be exhibited in all three buildings during the winter months.

It is planned to exhibit family groups of 12 or more different kinds of tropical antelope which can not be adapted for all-year, outdoor exhibition in the Washington climate. The most conspicuous example is the giraffe.

The buildings, totaling 17,500 square feet, will have 7 large, inside, viewing pens; visitor facilities; and service areas. In outside paddocks, with minimum shelter, members of the oxen, goat, and antelope families from cold areas will be exhibited during the winter. In the summer months, the tropical and the arctic animals will be reversed in these buildings. The roofs of these buildings will serve as a viewing platform, overlooking the outdoor paddocks.

Parking Area("Lot C")..... \$153,500

A parking lot and access roads will be constructed. This lot will accommodate approximately 220 visitor automobiles.

Utilities \$91,500

The utility system will be expanded in relation to other construction. Included are electricity, water, service sewers, and heating.

Sewerage System \$531,000

A total of \$531,000 will be required in fiscal year 1965 to modernize the main sewerage system in the National Zoological Park, including main storm sewers, sanitary sewers, and animal waste sewers, by installing the necessary trunk lines and connecting to the District of Columbia sewer system. This modernization will result in the cessation of pollution of Rock Creek by the National Zoological Park.

NATIONAL AIR MUSEUM - PLANNING

Appropriated, fiscal year 1964 \$511,000

Estimate, 1965 1,364,000

An appropriation of \$1,364,000 is requested for fiscal year 1965 to complete the plans and specifications for the National Air Museum Building. This amount is needed in order that the preparation of plans and specifications, begun with the appropriation of \$511,000 in fiscal year 1964, can be continued without delay or interruption. This constitutes a first step in providing a suitable exhibition building to display the outstanding national collection of historic and modern air and space craft. The initial design work has been started.

Planning was authorized by the Act of September 6, 1958. The Mall site for the building was designated by that same Act, after extensive Congressional hearings. The fiscal year 1964 appropriation is for financing the first year of two years' planning.

The tremendous public interest in air and space exhibitions is demonstrated by the great crowds visiting the existing small hangar building (1917 vintage) located behind the Smithsonian Building. This small exhibit, representing less than 5 percent of the air and space collections, was visited during fiscal year 1963 by 2,673,618 visitors from every State in the Union. On a single day, more than 36,000 visitors crowded through the building.

The new air museum building will make possible for the first time a comprehensive presentation to the public of notable air and space exhibits. It will also present the mathematics,

physics, fuel chemistry, metallurgy, and broad engineering bases of aeronautics and space exploration. The educational and inspirational character of these exhibits will find a response in the interest and enthusiasm of American youth in air and space science. Only by the display of original aircraft and space craft from the national collections can the millions of visitors each year relive notable events in our national history, and gain an understanding of the underlying principles of science and technology which have made possible our achievements in this field. Included in the Air Museum's historic collections are the original Wright Brothers' "Kitty Hawk" Flyer, original Goddard Rockets, the "Spirit of St. Louis," "Freedom 7," and "Friendship 7."

The requested appropriation is the amount necessary to complete the preparation of plans, including drawings and specifications, only. The Institution will employ expert consultants to assist the planning and museum staffs in matters of historical and technical interpretation of flight history, technological and scientific developments, and museum practices. Completion of the planning will be the first step in providing ultimately a suitable exhibition building to display the national collection of historic air and space craft. Construction funds will be requested in fiscal year 1966.

SMITHSONIAN INSTITUTION
SALARIES AND EXPENSES

Report on Number of Permanent Positions by Organizational Unit

	<u>1963 Actual</u>	<u>1964 Estimate</u>	<u>1965 Estimate</u>	<u>Increase 65 over 64</u>
Astrophysical Observatory	57	64	68	4
- Buildings Management Department	509	535	717	182
Bureau of American Ethnology	11	13	13	0
Canal Zone Biological Area	13	18	18	0
International Exchange Service	12	10	11	1
Management	23	23	27	4
Museum of History and Technology	247	239	244	5
Museum of Natural History	266	286	307	21
National Air Museum	26	28	28	0
- National Armed Forces Museum Advisory Board ..	2	2	2	0
National Collection of Fine Arts	17	16	20	4
National Portrait Gallery	5	5	9	4
Other General Services	<u>104</u>	<u>109</u>	<u>118</u>	<u>9</u>
Total	1,292	1,348	1,582	234

NOTE: In addition to the above, each year the Smithsonian employs the full-time equivalent of 18 temporary employees.

SMITHSONIAN INSTITUTION

SALARIES AND EXPENSES

Report of Obligations by Objects

<u>Object Classification</u>	<u>1963 Actual</u>	<u>1964 Estimate</u>	<u>1965 Estimate</u>	<u>Increase or Decrease 65 over 64</u>
11 Personnel compensation	\$6,968,000	\$8,179,000	\$9,634,000	\$1,455,000
12 Personnel benefits	496,000	588,000	711,000	123,000
21 Travel and transportation of persons..	109,000	141,000	153,000	12,000
22 Transportation of things	83,000	110,000	103,000	-7,000
23 Rent, communications, and utilities ..	429,000	650,000	779,000	129,000
24 Printing and reproduction	263,000	263,000	263,000	---
25 Other services	975,000	1,148,000	1,210,000	62,000
26 Supplies and materials	515,000	544,000	664,000	120,000
31 Equipment	1,041,000	1,613,000	1,277,000	-336,000
Total obligations	10,879,000	13,236,000	14,794,000	1,558,000
<u>Appropriation adjustments:</u>				
Proposed supplemental for cost of wage board salary increases	---	-112,000	---	+112,000
Unobligated balance lapsing	+121,000	---	---	---
<u>Appropriation (adjusted) or estimate</u>	11,000,000	13,124,000	14,794,000	1,670,000

SCHEDULE OF RENOVATION OF EXHIBITS

In 1965 the Smithsonian will continue its program of revitalizing the exhibits in the United States National Museum. This program, which was begun in 1954, has continued at a steady rate with an average appropriation of \$474,800. The amount required for fiscal year 1965 is \$330,000, or a reduction of \$125,000 from the amount appropriated in fiscal year 1964. This reduction is the result of rescheduling the number of exhibit halls to be under construction so that fewer exhibit areas will be closed to the public.

A. Completed and opened to the public by end of 1963:

- | | |
|------------------------------------|---|
| 1. First Ladies Hall | 15. World of Mammals Hall |
| 2. The first American Indian Hall | 16. Agriculture Hall |
| 3. North American Mammals Hall | 17. Fossil Fishes and Amphibians Hall |
| 4. Latin American Archeology Hall | 18. Textiles Hall (second floor) |
| 5. Bird Hall | 19. Medicine, Dentistry and Pharmacy Hall |
| 6. American Cultural History Hall | 20. Fossil Plants and Invertebrates Hall |
| 7. Power Machinery Hall | 21. The first North American Archeology Hall |
| 8. The second American Indian Hall | 22. Numismatics Hall |
| 9. Health Hall | 23. Petroleum Hall |
| 10. Military History Hall | 24. Prehistoric Mammals Hall |
| 11. Printing Arts Hall | 25. Peoples of the Pacific Hall |
| 12. Gems and Minerals Hall | 26. The second North American Archeology Hall |
| 13. Textiles Hall (first floor) | 27. Ocean Life Hall (first floor) |
| 14. Jade Room | 28. Dinosaur Hall |

B. Halls to be completed and opened to the public by the end of 1964:

1. Vertebrate Anatomy Hall
2. Peoples of Asia and Africa Hall

C. Construction partially completed by the end of 1964:

1. Reptiles and Fishes Hall
2. Physical Anthropology Hall
3. Old World Archeology Hall

D. During 1964, drawings will be finished and contracts awarded for the following halls:

1. Economic Geology Hall
2. Physical Geology Hall

E. Projects for 1965:

1. Animals of the Ice Age

ANIMALS OF THE ICE AGE

Varied fossil mammals and birds that lived during the Pleistocene or Ice Age will be displayed in this modernized hall. These now extinct animals were contemporaries of early man in the eastern hemisphere and in the Americas. Many museum visitors have read of these strange beasts but have never had an opportunity to see their accurately restored skeletons. Some of these skeletons have been previously displayed at the museum, while others have been discovered in the course of recent field explorations by Smithsonian paleontologists. They include 3 large mastodons, a bison, a European cave bear, a giant Irish elk, and the flightless moa bird of New Zealand. There will also be mounts of fossil horses and peccaries from Idaho; a bear, wolverine, and peccary from Cumberland Cave, Maryland, and a group from the tar pits of Rancho La Brea in southern California which will include the saber tooth cat, dire wolves, horse, and mylodont sloth. Among the toothless forms represented will be the Arizona glyptodont and Bolivian Scelidotherium as well as two skeletons to be mounted of the recently recovered giant sloth Eremotherium from the Pleistocene of Panama. This hall adjoins the modernized Hall of the World of Mammals which was reopened to the public in June 1961, and has proved an exceedingly effective interpretation of the fossil forms of the preceding Tertiary times. Similar display techniques will be employed in Hall 6 to trace the story of fossil animals through the Pleistocene or Ice Age. This hall will complete the modernization of the four Paleontology Halls in the United States National Museum.

REHABILITATION PROJECTS, FISCAL YEAR 1965

The following are the rehabilitation projects for fiscal year 1965, except the one for air conditioning the National Air and Space Building. The justification for this project is set forth under the activity "Museum Operations."

<u>Museum of Natural History (1911)</u>	\$27, 000
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1. Modification of space for Supply Division
located in Natural History Building.

<u>Arts and Industries Building (1881)</u>	72, 000
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1. Replacement of floors in four main halls.
(East, North, West, South.)

<u>Smithsonian Building (1855)</u>	20, 000
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1. Alterations to the electrical systems to provide increased capacity for additional service required for improvement of space, additional staff, and expansion of research activities.

<u>National Air and Space Building (1917)</u>	23, 000
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1. Replacement of roof and repainting exterior surfaces.

Freer Gallery of Art Building (1921) \$18, 000

1. Repair interior stonework, repoint joints, and
clean surfaces, and repaint corridors \$15, 000
2. Initial steps in modernization of controls and
safety devices on one freight elevator 3, 000

Silver Hill Facility (1952) 40, 000

1. Installation of a sanitary sewer system
and rest room facilities 15, 000
2. Installation of a security fence for improved
control to reduce possibility of damage or loss of
valuable museum objects 25, 000

Total, Rehabilitation Projects 200, 000

SMITHSONIAN INSTITUTION

Work performed under grants and contracts from Federal agencies

GRANTS

There are listed below the agencies and the amounts of grants which the Smithsonian received in 1963 as well as an estimate of the amounts to be received in 1964:

<u>Federal Agency</u>	<u>Actual Fiscal Year 1963</u>	<u>Estimate Fiscal Year 1964</u>
National Aeronautics and Space Administration	\$3,595,500	\$4,431,000
National Institutes of Health	271,655	10,285
National Science Foundation	427,550	1,700,000
Department of Defense	200,000	33,795
Federal Aviation Agency	<u>50,000</u>	<u>...</u>
Total Grants	4,544,705	6,175,080

The above grants from funds available to Federal agencies enables the Smithsonian Institution to collaborate with such agencies in scientific research including the Satellite Tracking Program, the Science Information Exchange, Marine Mollusks of Polynesia, Lower Cretaceous Ostracoda of Israel, Shanidar IV-VI Neanderthals, Pelagic Phosphorus Metabolism, Tertiary Echinoids of the Eastern United States and the Caribbean, Revision of the Genera of Paleozoic Bryozoa, Sharks of the Tropical

Pacific Ocean, Cultural Patterns of Southwest Virginia, Structures of Nan Madol, Mammals and their Ectoparasites from Iran, Study of the Biochemical Effects of Ionizing and Nonionizing Radiation on Plant Metabolism during Development, and Chronic Disease in Relation to Social Efficiency.

CONTRACTS

The Smithsonian Institution also performs research for Federal agencies on reimbursable contracts. The agencies for whom this work was performed in 1963 and the amount of reimbursement, together with an estimate for 1964, follows:

<u>Federal Agency</u>	<u>Actual Fiscal Year 1963</u>	<u>Estimate Fiscal Year 1964</u>
Atomic Energy Commission	\$137,714	\$15,097
Department of Defense	251,403	546,000
Veterans Administration	65,000	...
National Aeronautics and Space Administration	<u>1,646,263</u>	<u>1,411,700</u>
Total reimbursable contracts	2,100,380	1,972,797

This research was primarily in the fields of Astrophysics, Astronomy, Psychology, Aeronautics, Shark Repellants, Plant Physiology, and Marine Fauna of the Pacific Area.

SMITHSONIAN INSTITUTION
SCHEDULE OF BUILDINGS

Fiscal Years	1960	1961	1962	1963
Museum of History and Technology Building	Under construction Appropriation received, \$36,000,000, 1956			
Additions to the Natural History Building	Approp. received for planning \$800,000, 1958	Approp. received \$13,500,000, 1961	Approp. received \$4,336,000, 1962	East Wing March 1963 completion
Remodeling of Civil Service Commission Building (for Art Galleries)	Pre-planning studies			
National Air Museum Building	Pre-planning studies			
Construction & Improvements, National Zoological Park			Planning Approp. received (DC) \$85,000, 1962	Approp. received \$1,275,000, 1963



SMITHSONIAN INSTITUTION
SCHEDULE OF BUILDING PROJECTS

Fiscal Years	1960	1961	1962	1963	1964	1965	1966	1967	1968
Museum of History and Technology Building	Under construction Appropriation received, \$36,000,000, 1956				September 1963 completion				
Additions to the Natural History Building	Approp. received for planning \$800,000, 1958	Approp. received \$13,500,000, 1961	Approp. received \$4,336,000, 1962	East Wing March 1963 completion		West Wing September 1965 completion			
Remodeling of Civil Service Commission Building (for Art Galleries)	Pre-planning studies		Planning Approp. received \$400,000, 1962		Approp. received \$5,465,000, 1964	Request remainder of remodel- ing Approp. \$1,000,000	April 1966 completion		
National Air Museum Building	Pre-planning studies				Planning Approp. received \$511,000, 1964	Request remainder of planning Approp. \$1,364,000	Scheduled to be under construction Request construction Approp. \$40,045,000 June 1968 completion		
Construction & Improvements, National Zoological Park			Planning Approp. received (DC) \$85,000, 1962	Approp. received \$1,275,000, 1963	Approp. received \$1,275,000, 1964	Approp. requested \$1,776,000	Construction and Improvements scheduled to be in progress Request appropriations of various amounts for 10-year program.		

